Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/28/2017 12:20 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124033	-1	1.62	123921	1.59
Blue	F	SSC	125000	123393	-2	3.05	123695	2.81
Blue	E	FITC	23355	22426	-4	2.48	1000	10.29
Blue	D	PE	28848	28268	-3	1.96	1018	9.72
Blue	B	PerCP-Cy5-5	47791	47067	-2	3.38	1346	16.87
Blue	A	PE-Cy7	41358	41313	-1	5.13	643	35.03
Red	C	APC	51316	50682	-2	2.87	2917	9.64
Red	A	APC-Cy7	53225	51764	-3	2.94	1074	11.28
Violet	B	V450	14473	14067	-3	5.52	674	9.88
Violet	A	V500	59973	58730	-3	5.39	2606	7.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18832	5.39	607	9	N/A	N/A	Pass
Blue	F	SSC	61318	1.47	539	5	N/A	N/A	Pass
Blue	E	FITC	112	39.65	543	-1	0.0208	198	Pass
Blue	D	PE	223	28.61	539	1	0.1612	233	Pass
Blue	B	PerCP-Cy5-5	213	44.57	630	0	0.0102	97	Pass
Blue	A	PE-Cy7	70	118.06	682	1	0.0122	18	Pass
Red	C	APC	342	27.98	596	2	0.0196	61	Pass
Red	A	APC-Cy7	118	39.92	575	-1	0.0055	1438	Pass
Violet	B	V450	81	43.00	473	2	0.0444	1901	Pass
Violet	A	V500	188	23.75	504	3	0.0159	845	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.92	-31.24	0.82
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	16.24	13.27 - 19.91	N/A	N/A	31.32	31.98	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9972

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments